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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10782734
	Filing Date		2004-02-19
	First Named Inventor	Shafiq Ur Rahman	
	Art Unit	2109	
	Examiner Name	ITURRALDE, ENRIQUE W	
	Attorney Docket Number	MS1-1848US	

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5420801		1995-05-30	Dockter, ; et al.	
	2	5574934		1996-11-12	Mirashrafi, ; et al.	
	3	5577258		1996-11-19	Cruz, ; et al.	
	4	5878431		1999-03-02	Potterveld, ; et al.	
	5	6178172		2001-01-23	Rochberger	
	6	6185612		2001-02-06	Jensen, ; et al.	
	7	6266053		2001-07-24	French, ; et al.	
	8	6279029		2001-08-21	Sampat, ; et al.	

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9	6321252		2001-11-20	Bhola, ; et al.	
10	6369835		2002-04-09	Lin	
11	6385201		2002-05-07	Iwata	
12	6549932		2003-04-15	McNally, ; et al.	
13	6694368		2004-02-17	An, ; et al.	
14	7024483		2006-04-04	Dinker, ; et al.	

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**U.S.PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20030056029	A1	2003-03-20	Huang, Shuangying; et al.	
	2	20030215214	A1	2003-11-20	Ma, Choi Chi Evelene	
	3	20040073912	A1	2004-04-15	Meza, Joseph R.	

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	1							<input type="checkbox"/>

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	1	Agarwal, et al., "The Totem Multiple-Ring Ordering and Topology Maintenance Protocol", ACM, Vol. 16, No. 2, 1998, pp 93-132	<input type="checkbox"/>
	2	Bao, et al., "Topology Management in Ad Hoc Networks", ACM, 2003, pp 129-140	<input type="checkbox"/>
	3	Jaffe, et al., "Automatic Update of Replicated Topology Data Base", ACM, 1984, pp 142-148	<input type="checkbox"/>
	4	Sullivan, et al., "Programming with the Java Media Framework", Sean C. Sullivan, Loren Winzeler, Jeanine Deagen, and Deanna Brown, 1998, pp 99	<input type="checkbox"/>

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	1	5675752		1997-10-07	Scott, ; et al.	
	2	5786814		1998-07-28	Moran, ; et al.	
	3	6725279		2004-04-20	Richter, ; et al.	

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	1	20040267778	A1	2004-12-30	Rudolph, Eric; et al.	
	2	20040267953	A1	2004-12-30	Dunbar, Geoffrey T.; et al.	
	3	20040268224	A1	2004-12-30	Balkus, Peter A.; et al.	

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4	20050125734	A1	2005-06-09	Mohammed, Sohail Baig; et al.	
5	20050188311	A1	2005-08-25	Diesel, Michael E.; et al.	

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	1	Chatterjee, et al., "Microsoft DirectShow: A New Media Architecture", SMPTE Journal, December, 1997, pp 865-871	<input type="checkbox"/>
	2	Cline, et al., "DirectShow RTP Support for Adaptivity in Networked Multimedia Applications", IEEE, 1998, pp 13-22	<input type="checkbox"/>

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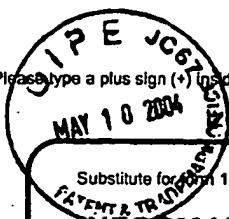
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<b>Application Number</b>	10/782,734				
<b>Filing Date</b>	Feb 19, 2004				
<b>First Named Inventor</b>	Rahman				
<b>Group Art Unit</b>					
<b>Examiner Name</b>					
<b>Attorney Docket Number</b>	MS1-1848US				
<b>Sheet</b>	1	<b>of</b>	4		

U.S. PATENT DOCUMENTS						
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		Number	Kind Code <sup>2</sup> (if known)			
		5,539,886		Aldred et al.	07-23-1996	
		5,604,843		Shaw et al.	02-18-1997	
		5,765,011		Wilkinson et al.	06-09-1998	
		6,014,706		Cannon et al.	01-11-2000	
		6,044,408		Engstrom et al.	03-28-2000	
		6,192,354		Bigus et al.	02-20-2001	
		6,243,753		Machin et al.	06-05-2001	
		6,263,486		Boezeman et al.	07-17-2001	
		6,308,216		Goldszmidt et al.	10-23-2001	
		6,546,426		Post	04-08-2003	
		6,209,041		Shaw et al.	03-27-2001	
		6,594,773		Lisitsa et al.	07-15-2003	
		6,658,477		Lisitsa et al.	12-02-2003	
		2002/0158897		Besaw et al.	10-31-2002	
		2003/0101253		Saito et al.	05-29-2003	
		5,887,139		Madison, Jr. et al.	03-23-1999	
		6,038,625		Ogino et al.	03-14-2000	
		6,347,079		Stephens et al.	02-12-2002	
		6,618,752		Moore et al.	09-09-2003	
		6,625,643		Colby et al.	09-23-2003	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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		Filing Date	Feb 19, 2004		
		First Named Inventor	Rahman		
		Group Art Unit			
		Examiner Name			
Sheet		3	of	4	Attorney Docket Number
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Timothy K. Shih, "Participator Dependent Multimedia Presentation", Journal of Information Sciences, Vol. 107, pp. 85-105, 1998.	
		Timothy K. Shih and Wen C. Pai, "A Stepwise Refinement Approach to Multimedia Presentation Designs", IEEE, pp. 117-122, 1997.	
		Arbab Ali Samejo et al., "Graphical User Interface Based Multimedia Web Suite in Windows Environment", Mehran University Research Journal of Engineering & Technology, Vol. 20, No. 2, pp. 57-68, April 2001.	
		Timothy Shih, et al., "A Knowledge Abstraction Approach for Multimedia Presentation", IEEE, pp. 528-532, 1997.	
		Sei-Hoon Lee and Chang-Jong Wang, "Open Multimedia/Hypermedia Application Development Environment", Inspec, 1996.	
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		ROBERTSON, MARK A.; STEVENSON, ROBERT L.; "Temporal Resolution Enhancement in Compressed Video Sequences"; University of Notre Dame, Notre Dame, Indiana; September, 2001; pgs 1-11	
		GIROD, BERND; FARBER, NIKO; "Feedback-Based Error control for Mobile Video Transmission"; Proceedings of the IEEE, v 87, n10, October 1999; pgs 1707-1723	
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		OLSON, ROBERT, et al., "Remote Rendering Using Vtk and Vic," website at <a href="http://www-unix.mcs.anl.gov/fl/publications/vis00-vicvtk.pdf">http://www-unix.mcs.anl.gov/fl/publications/vis00-vicvtk.pdf</a> , 2 pages.	
		ENGEL, KLAUS et al, "Remote 3D Visualization Using Image-Streaming Techniques" website at: <a href="http://citeseer.nj.nec.com/394248.html">http://citeseer.nj.nec.com/394248.html</a> , 4 pages.	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

4

**O**

4

**Application Number**

10782,734

**Filing Date**

Feb 19, 2004

**First Named Inventor**

**Rahman**

### Group Art Unit

**Examiner Name**

Attorney Docket Number

MS1-1848US

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ENGEL, K., et al., "Combining Local and Remote Visualization Techniques for Interactive Volume Rendering in Medical Applications" website at  
[http://www.vis.informatik.uni-stuttgart.de/eng/research/pub/pub2000/engel\\_vis00.pdf](http://www.vis.informatik.uni-stuttgart.de/eng/research/pub/pub2000/engel_vis00.pdf)

TGS website at [http://www.tgs.com/pro\\_div/oiv\\_overview.htm](http://www.tgs.com/pro_div/oiv_overview.htm), "Open Inventor from TGS4.0 "Open Inventor Overview," printed 4/28/2003. 4 pages.

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STATEMENT BY APPLICANT**

Sheet	1	of	4
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<b>Application Number</b>	10/782,734
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		5,765,011		Wilkinson et al.	06-09-1998	
		6,014,706		Cannon et al.	01-11-2000	
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		6,308,216		Goldszmidt et al.	10-23-2001	
		6,546,426		Post	04-08-2003	
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		6,594,773		Lisitsa et al.	07-15-2003	
		6,658,477		Lisitsa et al.	12-02-2003	
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		6,038,625		Ogino et al.	03-14-2000	
		6,347,079		Stephens et al.	02-12-2002	
		6,618,752		Moore et al.	09-09-2003	
		6,625,643		Colby et al.	09-23-2003	

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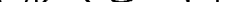
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Examiner Signature		Date Considered	03/03/2008
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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/782,734
		Filing Date	Feb 19, 2004
		First Named Inventor	Rahman
		Group Art Unit	
		Examiner Name	
Sheet	4	of	4
		Attorney Docket Number	MS1-1848US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EI		ENGEL, K., et al., "Combining Local and Remote Visualization Techniques for Interactive Volume Rendering in Medical Applications" website at <a href="http://wwwvis.informatik.uni-stuttgart.de/eng/research/pub/pub2000/engel_vis00.pdf">http://wwwvis.informatik.uni-stuttgart.de/eng/research/pub/pub2000/engel_vis00.pdf</a>	
1		TGS website at <a href="http://www.tgs.com/pro_div/oiv_overview.htm">http://www.tgs.com/pro_div/oiv_overview.htm</a> , "Open Inventor from TGS4.0 "Open Inventor Overview," printed 4/28/2003, 4 pages.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10782734
	Filing Date		2004-02-19
	First Named Inventor	Shafiq Ur Rahman	
	Art Unit	2179	
	Examiner Name	Enrique W. Iturralde	
	Attorney Docket Number	MS1-1848US	

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
ET	1	5815689		1998-09-29	Shaw, ; et al.	
	2	5886274		1999-03-23	Jungleib	
	3	6389467		2002-05-14	Eyal	
	4	6802019		2004-10-05	Lauder	
	5	6810526		2004-10-26	Menard, ; et al.	
	6	6823225		2004-11-23	Sass	
	7	7047554		2006-05-16	Lortz	
	8	7124424		2006-10-17	Gordon, ; et al.	

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10782734
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	Art Unit	2179	
	Examiner Name	Enrique W. Iturralde	
	Attorney Docket Number	MS1-1848US	

EI	9	7299485		2007-11-20	Chaney, ; et al.	
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#### U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
EI	1	20020199031	A1	2002-12-26	Rust, William C.; et al.	
	2	20030033424	A1	2003-02-13	GOULD, ANTONY JAMES	
	3	20030177292	A1	2003-09-18	SMIRNOV, SERGE; et al.	
	4	20030236906	A1	2003-12-25	Klemets, Anders E.; et al.	

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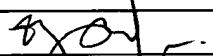
**INFORMATION DISCLOSURE  
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( Not for submission under 37 CFR 1.99)

Application Number		10782734
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First Named Inventor	Shafiq Ur Rahman	
Art Unit	2179	
Examiner Name	Enrique W. Iturralde	
Attorney Docket Number	MS1-1848US	

ET	1	Dunn, et al., "The Design and Implementation of JaDiSM", November 13, 2007, Pages 38	<input type="checkbox"/>
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**INFORMATION DISCLOSURE  
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Art Unit	2179
Examiner Name	Enrique W. Iturralde
Attorney Docket Number	MS1-1848US

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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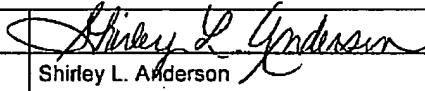
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- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2008-02-26
Name/Print	Shirley L. Anderson	Registration Number	57,763

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.